

AMENDMENTS TO CLAIMS:

1. (currently amended) A process ~~Process~~ for adjusting the fluid delivery volumes of a multi-channel metering apparatus with an arrangement of independently controlled dispensing channels 1.1-1.n delivering individual volumes of dispensing fluid to cavities 3.1.1-3.n.n, the process comprising in the following procedural steps:
 - delivering controlled delivery ~~of~~ individual volumes of dispensing fluid via dispensing channels 1.1-1.n, where the delivery is controlled by a control value that is the same for all the dispensing channels;
 - measuring a variable value relevant to the individual volumes delivered;
 - correlating measurement values with the control value and the particular dispensing channel 1.1-1.n;
 - determining a (a) an equilibration value from the measurement values and (b) a permissible band of tolerance for measurement values the equilibration value;
 - adjusting up or down the control value ~~up or down for every valve 2.1-2.n the of any~~ dispensing channel 1.1-1.n ~~for which has a correlated whose~~ measurement value is above or below the band of tolerance for the equilibration value;
 - memorizing ~~channel~~ control values and measurement values as data storage groups.
2. (currently amended) ~~Process in accordance with~~ The process of claim 1, wherein the process further comprises:
 - determining the mean value of the measurement values for each of the dispensing channels 1.1-1.n.
 - correlating each of the mean values with the control value and the particular dispensing channel.

~~a feature of which is that each dispensing channel 1.1-1.n delivers a number of fluid volumes to various cavities 3.1.1-3.n.n and the mean value correlated with the control value and the dispensing channel 1.1-1.n in each case is formed on the basis of correlated measurement values.~~
3. (currently amended) The process of claim 2, wherein the equilibration value is the median value of the mean values for each of the dispensing channels 1.1-1.n. Process in accordance with claim 1, a feature of which is that a median value for measurement values is used as a equilibration value.
4. (currently amended) The process of claim 1, wherein the equilibration value is the mean value of the measurement values. Process in accordance with claim 1, a feature of which is that a mean value for measurement values is used as a equilibration value.
5. (currently amended) The process of claim 1, wherein the equilibration value is a value relevant to a target volume. Process in accordance with claim 1, a feature of which is that a value relevant to the target volume is used as a equilibration value.

6. (currently amended) ~~Process in accordance with~~ The process of claim 1, ~~a feature of which is that wherein~~ the control value is the opening times $t.1-t.n$ for valves 2.1-2.n arranged in each of the dispensing channels 1.1-1.n.
7. (currently amended) ~~Process in accordance with~~ The process of claim 1, ~~a feature of which is that wherein~~ the control value is the plunger stroke of the pump connected to each of the dispensing channels 1.1-1.n.
8. (currently amended) ~~Process in accordance with~~ The process of claim 1, ~~a feature of which is that wherein the steps~~ all stages of the process are completed many times in sequence in order to align dispensing channels 1.1-1.n on more than one delivery volume or tolerance band.
9. (currently amended) ~~Process in accordance with~~ The process of claim 1, ~~a feature of which is that wherein~~ further storage data such as dispensing fluid pressure, temperature and viscosity are added to the storage data groups.
10. (withdrawn) Multi-channel metering apparatus with an arrangement of dispensing channels 1.1-1.n for the delivery of individual volumes of dispensing fluid to cavities 3.1.1-3.n.n in a correlated arrangement, each having an independently controlled means of metering, with a measuring device 4 to measure significant values $x.1.1-x.n.n$ for the volumes of dispensing fluid delivered to the individual cavities 3.1.1-3.n.n, correlated with the control value and the dispensing channel 1.1-1.n in each case and memorized (data storage groups), a computer unit 5, which specifies an equilibration value on the basis of measurement values and adjusts all control values for channels the correlated measurement values for which are outside a tolerance band and on either side of the equilibration value, a data input unit 6 connected to computer unit 5 and a control unit 7 which controls the means of metering in accordance with the control values provided by computer unit 5.